IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A gateway device to be installed between a public telephone network and a private branch exchange to which a plurality of extension telephones are connected, said gateway device comprising:

a public telephone network connection unit operable configured to connect said private branch exchange the extension telephones to said public telephone network through said private branch exchange;

an Internet connection unit operable configured to connect said private branch exchange to the Internet;

a connection switching unit operable configured to selectively connect either said public telephone network or the Internet to said private branch exchange;

a detecting unit operable configured to detect the use condition of a communication line connected to said private branch exchange;

a notification unit operable configured to transmit, to said public telephone network through said public telephone network communication unit, an outgoing call only setting signal which notifies notify said public telephone network that only calling is viable to said public telephone network and to inform said public telephone network that an incoming call cannot be responded, only outgoing calling being viable in [[the]] a case where the communication line connected to said private branch exchange is in use,

wherein said private branch exchange is configured to switchingly connect the plurality of extension telephones with a plurality of communication lines of said public telephone network,

wherein said gateway device is provided for each of the plurality of communication lines of said public telephone network, and

wherein, when the communication line connected to said private branch exchange
through said gateway device is in use, a different gateway device serves to make a connection
by proxy in response to a connection request issued for said gateway device in accordance
with said notification unit.

Claim 2 (Original): The gateway device as claimed in claim 1 wherein said notification unit notifies said public telephone network that an outgoing call process and an incoming call process are viable when the communication line connected to said private branch exchange comes to be in an unused state.

Claim 3 (Cancelled).

Claim 4 (Currently Amended): The gateway device as claimed in claim 1 further comprising:

an identifier generation unit operable configured to generate a caller identifier for identifying an extension telephone connected to said private branch exchange based on the basis of a control signal from the extension telephone, and an intended recipient identifier for identifying a communication device of [[the]] an intended recipient of the extension telephone;

a conversion unit operable configured to perform a conversion between voice signals and packet signals relating to [[the]] communication for voice conversation; and

a packet transmitter receiver unit operable configured to transmit said packet signals to the Internet and to receive said packet signals from the Internet based on the basis of said caller identifier and said intended recipient identifier.

Claim 5 (Currently Amended): The gateway device as claimed in claim 4 further comprising:

a determination unit operable in order that configured to output said voice signals are output to said public telephone network without the conversion into between voice signals and packet signals, depending upon said intended recipient identifier.

Claim 6 (Currently Amended): A private branch exchange system operable configured to switchingly connect between a public telephone network and [[an]] a plurality of extension telephone telephones, said private branch exchange system comprising:

a private branch exchange connected to the plurality of extension telephones and configured to switchingly connect the plurality of extension telephones with a plurality of communication lines of said public telephone network; and

a plurality of gateway devices provided for the plurality of communication lines of said public telephone network respectively, and configured to connect the extension telephones to said public telephone network through said private branch exchange,

each of said gateway devices comprising:

a public telephone network connection unit operable configured to connect said an extension telephone to said public telephone network through said private branch exchange;

an Internet connection unit operable configured to connect said extension telephone to the Internet through said private branch exchange;

a connection switching unit operable configured to selectively connect either said public telephone network or the Internet to said extension telephone;

a detecting unit operable configured to detect [[the]] a use condition of a communication line connected to said extension telephone;

a notification unit operable configured to notify transmit, to said public telephone network through said public telephone network connection unit, an outgoing call only setting signal which notifies said public telephone network that only calling is viable to said public telephone network and to inform said public telephone network that an incoming call cannot be responded, only outgoing calling being viable in [[the]] a case where the communication line connected to said extension telephone is in use,

wherein, when the communication line connected to said public telephone network through said private branch exchange of one of said gateway devices is in use, a different gateway device serves to make a connection by proxy in response to a connection request issued for said one of said gateway devices in accordance with said notification unit.

Claim 7 (Original): The private branch exchange system as claimed in claim 6 wherein said notification unit notifies said public telephone network that an outgoing call process and an incoming call process are viable when the communication line connected to said private branch exchange comes to be in an unused state.

Claim 8 (Cancelled).

Claim 9 (Currently Amended): The private branch exchange system as claimed in claim 6 further comprising:

an identifier generation unit operable configured to generate a caller identifier for identifying [[an]] the extension telephone connected to said public telephone network through said private branch exchange based on the basis of a control signal from the extension telephone, and an intended recipient identifier for identifying a communication device of [[the]] an intended recipient of the extension telephone;

a conversion unit operable configured to perform a conversion between voice signals and packet signals relating to [[the]] communication for voice conversation; and

a packet transmitter receiver unit operable configured to transmit said packet signals to the Internet and to receive said packet signals from the Internet based on the basis of said caller identifier and said intended recipient identifier.

Claim 10 (Currently Amended): The private branch exchange system as claimed in claim 9 further comprising:

a determination unit operable in order that configured to output said voice signals are output to said public telephone network without the conversion into between voice signals and packet signals, depending upon said intended recipient identifier.

Claim 11 (Currently Amended): An extension telephone switching method of switchingly connecting between a public telephone network and [[an]] a plurality of extension telephone telephones, by the use of a private branch exchange system, said private branch exchange system comprising:

a private branch exchange connected to the plurality of extension telephones and configured to switchingly connect the plurality of extension telephones with a plurality of communication lines of said public telephone network; and

a plurality of gateway devices provided for each of the plurality of communication

lines of said public telephone network respectively, and configured to connect the extension
telephones to said public telephone network through said private branch exchange,

said extension telephone switching method comprising:

a step of <u>having one of said gateway devices</u> selectively <u>eonnecting connect</u> either said public telephone network or the Internet to said extension telephone;

a step of detecting the <u>having said gateway device detect a</u> use condition of a communication line connected to said extension <u>telephone</u> <u>telephones</u>;

a step of notifying transmitting, to said public telephone network through said gateway device, an outgoing call only setting signal which notifies said public telephone network that only calling is viable to said public telephone network and to inform said public telephone network that an incoming call cannot be responded, only outgoing calling being viable in [[the]] a case where the communication line connected to said extension telephone telephones is in use; and

a step of having, when the communication line connected to said private branch exchange through one of said gateway devices is in use, a different gateway device make a connection by proxy in response to a connection request issued for said one of said gateway devices in accordance with said notification.

Claim 12 (Currently Amended): The extension telephone switching method as claimed in claim 11 further comprising:

a step of notifying said public telephone network that an outgoing call process and an incoming call process are viable when the communication line connected to said extension telephone comes to be in an unused state.

Claim 13 (Cancelled).